

REPORT

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SOURCE Newspapers as indicated.

ELECTRIC POWER FACILITIES INCREASE

MACEDONIAN POWER PLANT TO OPEN SOON -- Borba, No 203, 27 Aug 49

The new hydroelectric power plant now under construction at the village of Zrnovci near Kocane will be the third major power plant to be put into operation by the end of 1949. This year high-tension transmission lines will convey electric power from the new power plant at Zrnovci to Kocane, Stip, and the Zletovo mine.

The power plant and all its machinery were planned and produced by Yugoslav workers.

Water to operate the turbines will come from mountain brooks, the Zrnovka and Ekušnica, flowing through new canals and a tunnel. The natural fall of the Zrnovka will be utilized to turn the 2,000-kilowatt turbogenerator. The turbines and regulators were built at "Iztosroj," special pipes several hundred meters long at "Splosna" in Maribor, and generators at "Radr Koncar" in Zagreb. The Yugoslav fitters who installed the steam power plant at Madjari near Skoplje will take part in the installation at Zrnovci, which will begin soon.

Before the construction of the Zrnovci power plant was begun, an 8-kilometer truck road was built to the site. The road has a steep grade and crosses very difficult mountain terrain. It is now used for transporting building materials, but later will be used in the exploitation of nearby forests.

Most of the projects at the power plant have been completed. The building to house the turbines, generators, and other equipment will be finished soon, and the tunnel will be built on schedule. The dam is not large, but must withstand the torrents that follow heavy rains and melting snow.

The Zrnovci power plant is the first to be built on the left bank of the Vardar. It will supply power to the city of Kocane and its industry, to the Zletovo mine, and to the city of Stip, which now has a very poor electric lighting system.

TRANSFORMER INSTALLED -- Folitika, No 13339, 10 Sep 40

A large new transformer has been installed at the hydroelectric power plant on Mariborski Otok. It will be 50 times more powerful than the strongest produced in Yugoslavia heretofore.

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cooling equipment now being made in the "Jedinstvo" steam boiler factory in Zagreb must be completed before the transformer can be put into service.

The transformer has a capacity of 50,000 volt-amperes or 55,000 horsepower. It will supply high-tension power to the transmission lines serving mines and other industry in Zagreb and part of Slovenia without great losses. In the past, losses of current in high-tension power lines have been as high as 25 percent because the transformer were not strong enough.

The new transformer will handle current from Mariborski Otok and all other Slovenian power plants combined into a single net.

POLES ERECTED FOR VOJVODINA POWER LINE -- Borba, No 215, 10 Sep 49

Within less than 2 years, the construction of the poles for the 110-kilowatt Belgrade-Novi Sad high-tension transmission line has been completed. For this 74-kilometer line /Politika, 9 Sep 49: 80-kilometer line/, 277 reinforced concrete poles 18 to 22 meters high and five special poles 29 meters high, the largest ever made in Yugoslavia, have been erected. Each of the poles weighs about 100 tons.

Many of the enterprises of the central Vojvodina will be supplied with power from this line, and all the villages between Belgrade and Novi Sad will be electrified.

The construction of the transmission line was begun in May 1947.

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